PATENT COOPERATION TREATY

PCT SUSAN STONE ROSENTELD FROM CRAIC SUS NORTH CENTRAL. SUITE 2600 PHOENIX. AZ 85012-2913 WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis. 1) Date of mailing (davimonth/war) 1 JAN 2005 FOR FURTHER ACTION See paragraph 2 below 12504 489 International application No. International filing date (dav/month/war) PCTUS04/19725 Sunce 2004 (18.06.2004) International application No. International Feature Classification (IPC) or both national classification and IPC IPC(7): A61K 31/4741, 31/473; C07D 491/02, 491/12 and US CL: 514/280, 287; 546/23, 48, 65 Applicant ARIZONA BOARD OF REGENTS I. This opinion comains indications relating to the following items: Box No. I. Box No. II Box No. III Non-establishment of opinion Box No. IV Lack of unity of invention Box No. IV Certain documents cited Box No. VI Certain documents cited Box No. VII Certain documents cited Box No. VII Certain documents cited Box No. VIII Certain documents cited Box No. VIII Certain documents cited Certain documents cited Box No. VIII Certain documents cited Box No. VIII Certain documents cited Certain documents cited If this opinion is, as provided above, considered to be a written opinion of the International Preliminary Examining Authority (TIPEA') except that this does not apply where the applicant chooses an Authority of the than this on to be the IPEA and the chosen IPEA' has notified the International application 2. FURTHER ACTION If dis opinion is, as provided above, considered to be a written opinion of the International Preliminary Examining Authority (TIPEA') except that this does not apply where the applicant chooses an Authority of the than this on to be the IPEA and the chosen IPEA' has notified the International Preliminary Examining Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the International Preliminary Examining Authority will not be so considered. If this opinion is, as provided above, considered to be a writte	From the INTER		IONAL SEARCH	IING AUTH	ORITY					
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Applicant's or agent's file reference Applicant's or agent's file reference 12504.489 International application No. International application No. International application No. PCT/US04/19725 International Pattern Classification (IPC) or both national classification and IPC IPC(T): A61K 31/4741, 31/473; CO7D 491/02, 491/12 and US Cl.: 514/280, 287; 546/23, 48, 65 Applicant ARIZONA BOARD OF REGENTS 1. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Box No. VI Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability: cliations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain documents cited Box No. VII Certain documents of the international application 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ('IPEA') except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the PIPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. 3. For further details, see notes to Form PCT/ISA/220. For further options, see Form PCT/ISA/2303 Alexandria, Virgina 2313-1450 Feestime No. (703) 305-3235										
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Description 18 June 2004 (18.06.2004) 20 June 2003 (20.06.2003)										
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International	application	No.

PCT/US04/19725

Box No. I Basis of this opinion
 With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
in written format
in computer readable form
c. time of filing/furnishing
contained in international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search.
In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:
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Form PCT/ISA/237(Box No. I) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

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International application No. PCT/US04/19725

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement 1. Statement Claims 1-6 YES Novelty (N) Claims NONE NO YES Claims 1-6 Inventive step (IS) Claims NONE NO Industrial applicability (IA) Claims 1-6 YES Claims NONE NO 2. Citations and explanations: Claims 1-6 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the instant phosphate prodrugs of Phenpanstatin and Pancratistatin and methods of preparing them. Claims 1-6 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.